

PROJECT NAME: Tuacahn Wash Detention Basin

RECIPIENT: City of Ivins

LOCATION: Ivins, UT

PURPOSE: The project consists of the construction of three detention basins within the Tuacahn Wash for the purpose of capturing debris and controlling flooding to protect Ivins and Santa Clara. A 20 foot tall detention dam would be constructed for the upper basin to create 37 acre-feet of detention. The two lower basins do not require construction of a dam since they will be controlled by existing culverts (recently installed in anticipation of this project) crossing Tuacahn Drive and Center Street. Excavation of the areas behind the culvert would provide an additional 8 acre-feet of detention for a project total of 45 acre-feet. The 20-foot high dam is 650 feet long and includes a 200 foot wide by 5 foot high spillway that would be installed over the middle section of the dam. A 6-foot diameter outlet would be installed in the base of the dam.

\$200,000 Engineering, remainder to construction

This project clearly adds value to taxpayers as follows:

- *Protects existing homes
- *Protects major arterial roadway
- *Enables economic development (future businesses and residents)
- *Benefits two cities, Ivins and Santa Clara

Page 2 of 3

- *Is environmentally sensitive to surrounding tortoise habitat and protects tortoise habitat downstream of upper basin.
- *Provides economic stimulus to local construction companies.

AMOUNT: \$900,000